International application No.
PCT/JP2004/014633

			2004/014022		
A. CLASSIFIC Int.Cl7	ATION OF SUBJECT MATTER B32B15/08, BO5D5/00, 7/14, C	23C28/00, F28F1/32			
According to Inte	ernational Patent Classification (IPC) or to both nation	al classification and IPC			
B. FIELDS SE	ARCHED				
Minimum docum	nentation searched (classification system followed by cl	lassification symbols)			
Int.Cl	B32B1/00-35/00, B05D1/00-7/2	6			
Documentation s	earched other than minimum documentation to the exte	ent that such documents are included in the	e fields searched		
		oroku Jitsuyo Shinan Koho	1994-2004		
Kokai Ji	itsuyo Shinan Koho 1971-2004 Ji	itsuyo Shinan Toroku Koho	1996-2004		
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Electronic data o	ase consulted during the international search (name of	data base and, where practicable, scarch to	anis useu)		
	ITS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap		Relevant to claim No.		
x	JP 62-278033 A (Showa Alumin 02 December, 1987 (02.12.87),		1-8,10-21, 23-26		
A	Claims; page 2, upper left co				
A	lower left column to lower re		9,22		
ļ	page 4, lower right column to				
	upper left column	page 3,			
1	(Family: none)				
	(ramery: none)				
x	JP 59-205596 A (Showa Alumin	um Corp.).	1-8,10-21,		
, "	21 November, 1984 (21.11.84)		23-26		
A	Claims; page 4, lower left co		9,22		
	lower right column		3,22		
	(Family: none)				
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			<u> </u>		
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.			
	gories of cited documents:	"T" later document published after the into	ernational filing date or priority		
	document defining the general state of the art which is not considered to be of particular relevance date and not in conflict with the application but cited to under the principle or theory underlying the invention				
	cation or patent but published on or after the international	"X" document of particular relevance; the			
filing date "L" document w	hich may throw doubts on priority claim(s) or which is	considered novel or cannot be consi- step when the document is taken alone			
cited to esta	iblish the publication date of another citation or other	"Y" document of particular relevance; the			
_	on (as specified)	considered to involve an inventive	step when the document is		
	ferring to an oral disclosure, use, exhibition or other means ablished prior to the international filing date but later than	combined with one or more other such being obvious to a person skilled in the			
the priority of	late claimed	"&" document member of the same patent i	family		
Date of the actual completion of the international search		Date of mailing of the international sear	ch report		
08 December, 2004 (08.12.04)		28 December, 2004	(28.12.04)		
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Facsimile No.					
Form PCT/ISA/210 (second sheet) (January 2004)					

International application No.
PCT/JP2 004/014633

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X A	JP 1-240689 A (Kobe Steel, Ltd.), 26 September, 1989 (26.09.89), Claims (Family: none)	1-8,10,12-21, 23,25-26 9,11,22,24	
x	JP 60-58269 A (Mitsubishi Heavy Industries, Ltd.),	1-8,10,12-21, 23,25-26	
A	04 April, 1985 (04.04.85), Claims; page 2, upper left column to upper right column (Family: none)	9,11,22,24	
x	JP 60-82169 A (Mitsubishi Heavy Industries, Ltd.),	1-8,10,12-21, 23,25-26	
A	10 May, 1985 (10.05.85), Claims; page 2, upper left column to upper right column (Family: none)	9,11,22,24	
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International application No.
PCT /JP2004/014633

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 1-7, 14-20  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
It is unclear what kind of substance is specifically referred to by "coating material with affinity" defined in claims 1 and 14, and the invention defined in claims 1-7 and 14-20 which requires to have a hydrophobic coating film but does not require to form a hydrophilic coating (continued to extra sheet)
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search rees were timely paid by the applicant, this international search report covers all searchable claims.
any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

International application No.

PCT/JP2004/014633

Continuation of Box No.II-2 of continuation of first sheet(2)

film thereon is inadequately supported by the description.

Although the invention of claims 1 and 14 requires to form "a coating film made of a coating material with affinity" on the surface of a base, it is natural to select a material having an affinity to the base regardless of the surface shape of the base in case when a coating is formed thereon. Further, the invention of claims 1-7 and 14-20 does not require to form a coating film composed of a hydrophilic coating material on a coating composed of a hydrophobic organic coating material, and no specific example is disclosed in the description. Even by taking the detailed explanation of the invention into consideration, the object of the invention is to form a coating film of a hydrophobic organic coating material as a foundation layer having water resistance so as to form a hydrophilic coating film on the outermost surface, and no other technical meaning can be found in forming only a coating film composed of a hydrophobic organic coating material having an affinity to a base. Consequently, the invention of the claims 1-7 and 14-20 is not adequately supported by the description, and thus no search has been carried out on them.